

Converting Colors

YIQ(71.5950, -19.9480, 20.1160)

Have a look what the booklet for
YIQ(71.5950, -19.9480, 20.1160)
contains.

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Color

**YIQ(71.5950, -19.9480,
20.1160)**

Conversions

Conversions Part 1

Format	Color
Hex	414080
RGB	65, 64, 128
RGB Percent	25%, 25%, 50%
CMY	0.7450, 0.7490, 0.4982
CMYK	0.49, 0.50, 0.00, 0.50
HSL	241°, 33%, 38%
HSV	241°, 50%, 50%
XYZ	7.9082, 6.3486, 21.2193
YIQ	71.5950, -19.9480, 20.1160

Conversions

Conversions Part 2

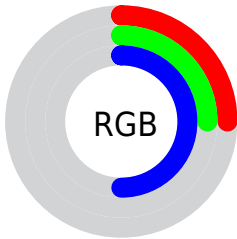
Format	Color
R _Y B	65, 64, 128
Decimal	4276352
CIE Lab	30.28, 18.82, -36.17
CIE LCh	30, 40.772, 297.487
Yxy	6.3486, 0.2229, 0.1790
Android (android.graphics.Color)	4282466432 (0xFF414080)
YUV	71.5950, 27.8077, -5.7838
Hunter-Lab	25.1964, 11.9306, -32.2940

Details

The YIQ color $71.5950, -19.9480, 20.1160$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $120.4050, 19.9480, -20.1160$, and the grayscale version is $71.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $121.3610, -19.1690, 22.5190$, and $23.8990, -26.9160, 14.2360$ is the 20% darker color. If you saturate the color by 10%, you get $60.0770, -24.1210, 24.1590$, and if you desaturate by 10%, it is $83.1130, -15.7750, 16.0730$.

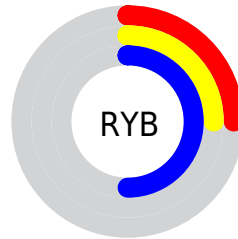
Distribution



Red (25%)

Green (25%)

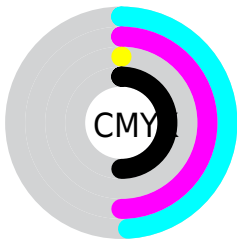
Blue (50%)



Red (25%)

Yellow (25%)

Blue (50%)

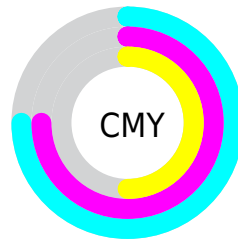


Cyan (49%)

Magenta (50%)

Yellow (0%)

Black (50%)



Cyan (75%)

Magenta (75%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 71.5950, -19.9480, 20.1160 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 71.5950, -19.9480, 20.1160 by changing the saturation by 10% instead.

■ 71.5950, -19.9480,
20.1160

■ 71.5950, -19.9480,
20.1160

■ 255.0000, -0.0000,
-0.0000

■ 48.0570, -21.3690,
18.3350

■ 121.3610,
-19.1690, 22.5190

■ 23.8990, -26.9160,
14.2360

■ 147.3010,
-18.9400, 23.8760

■ 6.2700, -17.6550,
17.1050

■ 173.9420,
-19.3070, 25.0210

■ 4.9360, -11.1430,
9.2170

■ 200.1010,
-15.5010, 22.1230

■ 0.5700, -1.6050,
1.5550

■ 225.2080, -5.9170,
13.6270

■ 0.0000, 0.0000,
0.0000

■ 250.3040, 2.2000,

4.1840

■ 71.5950, -19.9480,
20.1160

■ 71.5950, -19.9480,
20.1160

■ 60.0770, -24.1210,
24.1590

■ 83.1130, -15.7750,
16.0730

■ 48.8580, -27.6980,
28.4140

■ 94.3320, -12.1980,
11.8180

■ 37.9270, -32.1460,
31.9340

■ 105.2630, -7.7500,
8.2980

■ 26.7080, -35.7230,
36.1890

■ 116.4820, -4.1730,
4.0430

■ 15.1900, -39.8960,
40.2320

■ 128.0000, -0.0000,
-0.0000

■ 139.5180, 4.1730,
-4.0430

■ 150.7370, 7.7500,
-8.2980

■ 161.6680, 12.1980,
-11.8180

■ 172.8870, 15.7750,
-16.0730

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.0020, -64.2350, 2.2370



71.5950, -19.9480, 20.1160



72.8400, 16.2710, 30.0230

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.5950, -19.9480, 20.1160



68.1840, 46.2160, -0.5680



58.2340, -45.4780, -23.8300

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



71.5950, -19.9480, 20.1160



120.4050, 19.9480, -20.1160

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



52.7110, -34.0600, -32.5240



71.5950, -19.9480, 20.1160



67.1140, 34.0690, -17.2190

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.5950, -19.9480, 20.1160



67.9310, 49.1470, 17.9070



63.6980, 11.5130, -26.9430



61.8820, -55.7500, -13.8780

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.5950, -19.9480, 20.1160



70.0500, 33.2350, 30.9550



63.6980, 11.5130, -26.9430



56.2790, -41.3510, -27.0390

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



71.5950, -19.9480, 20.1160



143.8500, -8.0250, 7.7750



108.8640, -38.1440, -13.5680



70.7100, -4.8150, 4.6650



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.5950, -19.9480, 20.1160



77.9980, -30.9080, 31.5240



80.8640, -1.4720, 26.6880



57.7980, -2.2470, 2.1770



15.1900, -39.8960, 40.2320



0.0000, 0.0000, 0.0000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



90.3180, 17.9210, 33.1610



107.0720, 28.1420, 51.6780



111.1360, 1.4720, -26.6880



59.8910, 1.9250, 3.6610



52.5220, 36.1630, 66.0110



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YIQ color 71.5950, -19.9480, 20.1160 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the YIQ color 71.5950, -19.9480, 20.1160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

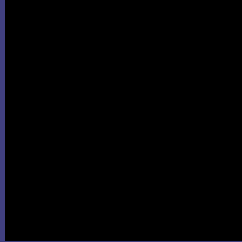
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 71.5950, -19.9480, 20.1160

Background



This preview shows how black text looks on a background with the YIQ color 71.5950, -19.9480, 20.1160.



This preview shows how white text looks on a background with the YIQ color 71.5950, -19.9480,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

71.5950, -19.9480, 20.1160

Protanopia

66.7280, -39.6160, 13.1200

Deuteranopia

63.2060, -47.1340, 6.1940



Tritanopia

68.5080, -16.2300, -3.2220

Trichromacy



Original Color

71.5950, -19.9480, 20.1160

Protanomaly

68.3160, -32.4640, 15.6640

Deuteranomaly

66.3430, -37.0940, 11.4660

Tritanomaly

69.5930, -17.6070, 5.2170

Monochromacy



Original Color

71.5950, -19.9480, 20.1160

Achromatopsia

72.0000, -0.0000, 0.0000

Achromatomaly

71.6220, -7.3830, 7.1530

CSS Examples

Text

The CSS property to change the color of the text to YIQ 71.5950, -19.9480, 20.1160 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(65, 64, 128)` looks like.

```
.text, #text, p{  
    color:rgb(65, 64, 128)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(65, 64, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 64, 128) }
```

Border

The CSS property to change the border of an element to YIQ 71.5950, -19.9480, 20.1160 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(65, 64, 128) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(65, 64, 128) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(65, 64, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 64, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 64, 128);  
box-shadow:4px 4px 4px 4px rgb(65, 64,  
128) }
```

Background

The CSS property to change the background color of an element to YIQ 71.5950, -19.9480, 20.1160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 64, 128) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(65, 64,  
128) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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